

**Disclosure AUS8-2000-0539**

Prepared for and/or by an IBM Attorney - IBM Confidential

Created By: David Kumhyr    Created On: [REDACTED]

Last Modified By: Nancy Werchan    Last Modified On: [REDACTED]

Required fields are marked with the asterisk (\*) and must be filled in to complete the form.

**\*Title of disclosure (In English)**

Conversational convergence software

**Summary**

Status	Final Decision (File)
Docket Family	AUS9-2001-0402
Processing Location	AUS
Functional Area	58 - TIVOLI (B. Yellin, David Murphy, L. Wilczak, J. Clulla, Jim Hilbert)
Attorney/Patent Professional	Leslie Van Leeuwen/Austin/IBM
IDT Team	John Sweitzer/Tivoli Systems; Sebastian Hassinger/Tivoli Systems; Nicole Harbour/Tivoli Systems; Doug A Wood/Tivoli Systems; Peg MacPhail/Tivoli Systems; Rabindranath Dutta/Austin/IBM
Submitted Date	[REDACTED]
Owning Division	TIV
Incentive Program	
Lab	
Technology Code	
PVT Score	40

**Inventors with a Blue Pages entry**

Inventors: David Kumhyr/Tivoli Systems, Peg MacPhail/Tivoli Systems@Tivoli Systems

Inventor Name	Inventor Serial	Div/Dept	Inventor Phone	Manager Name
> Kumhyr, David B.	834212	46/BVUA	N/A	Rojas, F.X. (Frank)
MacPhail, M.G. (Peg)	990022	46/1X9A	436-1464	Sweitzer, J.W. (John)

&gt; denotes primary contact

**Inventors without a Blue Pages entry****IDT Selection****\*Main Idea**

To view the main idea for this disclosure, click on this doclink --&gt; [REDACTED] (If you are prompted to enter a server name, please enter D01DB016)

**\*Critical Questions (Questions 1-9 must be answered in English)**

Patent Value Tool (Optional - this may be used by the Inventor and attorney to assist with the evaluation)

Main Idea for disclosure AUS8-2000-0539 - continued

**Main Idea for Disclosure AUS8-2000-0539**

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Archived On: [REDACTED]

**Title of disclosure (In English)**

Conversational convergence software

**Idea of disclosure**

1. Describe your invention, stating the problem solved (if appropriate), and indicating the advantages of using the invention.

Merging the technologies of the chat room, instant messenger, email and web forum. Each individual component here is a method of exchanging information (groupware) that are focused on a slightly different paradigm of information exchange or conversation. Mostly divided by response time and user role.

Chat rooms are akin to a meeting, instant messaging is like a phone call, email is akin to a memo or letter and forums are like a moderated and categorised discussion. All serve different purposes and have differing strengths, all are misused to attempt to stretch the medium to act like another.

I propose the merging of all of the function in one product that would enable the conversation holders to move to another conversation style or domain as the need arose.

2. How does the invention solve the problem or achieve an advantage, (a description of "the invention", including figures inline as appropriate)?

Enable the flow of conversation to move into using the medium that most suits the style of the discussion. It becomes a better business model for solving problems remotely on line.

3. If the same advantage or problem has been identified by others (inside/outside IBM), how have those others solved it and does your solution differ and why is it better?

Yes, but each in the individual area of communications, not amalgamated.

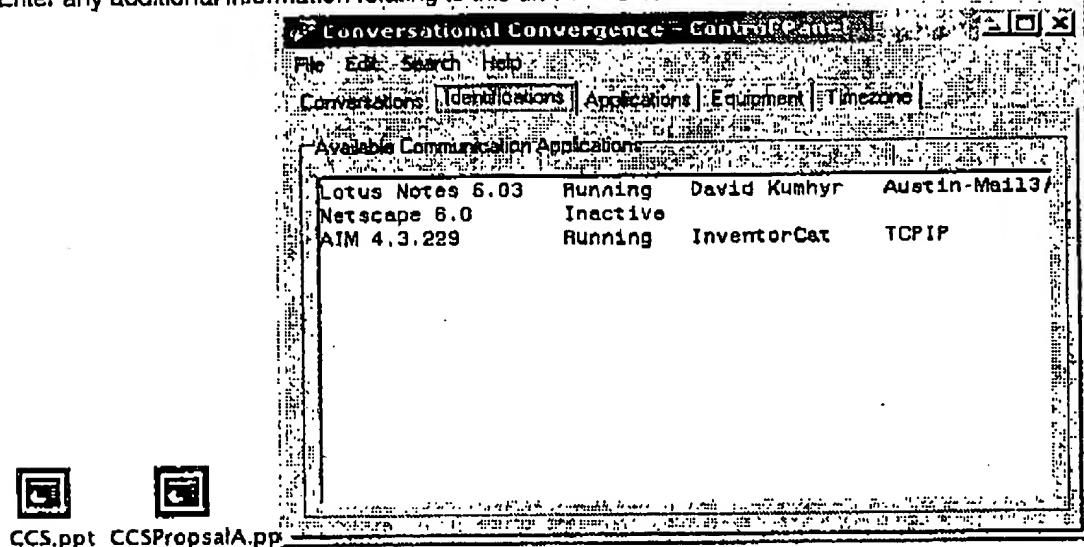
4. If the invention is implemented in a product or prototype, include technical details, purpose, disclosure details to others and the date of that implementation.

No

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**Search Information****Search Office Information****Final Decision****Post Disclosure Text & Drawings**

Enter any additional information relating to this disclosure below:



Ideas/splits:

CAT Brokering site

One time certificates for membership authentication by role

Idea	Variations	Applications
ID set	Roles	<p>CCS basic idea of switching communication application</p> <p>Tailor communications based on Role</p> <ul style="list-style-type: none"> <li>• Who must be there</li> <li>• Level of interest</li> <li>• Field of interest</li> <li>• Actions allowed</li> </ul> <p>Delegation of role</p> <p>Policy and rules based on role</p> <p>Assign a role to a set of ids</p>
	Permissions	<p>Tailor communications based on permissions</p> <ul style="list-style-type: none"> <li>• Level of trust</li> <li>• Level of interest</li> <li>• Field of interest</li> <li>• Actions allowed</li> </ul> <p>Delegation of permissions along with role - perhaps a subset when delegated</p> <p>Permissions based on policy and rules, roles</p> <p>Assign permissions to a set of ids</p>
	Nesting	<p>Nest sets of ids</p> <p>Nest permissions</p>
	Aggregation	Aggregate sets of ids

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		Aggregate based on role
	Certificate to join	3rd party
Availability determination		Determine current availability all members for the set of communications services Track down an individual - know what commo works at this moment for them
	Delegation	
	Next available window	
Categorize communications service		Scatter/Gather - using multiple communication mechanisms <ul style="list-style-type: none"> <li>• "teleport"</li> <li>• "resting?"</li> <li>• redundant</li> <li>• insurance</li> <li>• security</li> <li>• service level</li> </ul>

Here is our breakdown of the separate filings under CCS/CAT - I'll append this note into the applicatoin.

**Communications Convergence (Communications Aggregation Technique - CAT)**

A software application that enables switching between various communications mechanisms as a user chooses as their communication needs change. I.e. switching from email to instant messaging on the fly.

**CAT Brokering Web/Server Site**

A brokering web server site for enabling users to gather and select and switch between communications methods and channels.

**Communications Switching Object**

An object (ID set) that allows the gathering of different user IDs and optionally passwords for use with CAT Communications Switching Object.

**Aggregation of Communications Groups**

Aggregation of communications object IDs into groups (extended functionality)

**Nesting of Communications**

Nesting sets of IDs and permissions

**Automatic Selection of Efficient or Appropriate Communications Channel**

Automatically select the most efficient or communications channel or means - or select the appropriate channel for the level of service or security specified by role and permissions.

**Tailoring of Communications Based on Permissions and Role**

Tailoring the communications channel based on permissions and role (trust, interest, actions)

**Scatter/Gather Using Multiple Communications Channels**

Scatter/Gather using multiple communications channels for redundancy, security, insurance etc.

**Certification for Joining Communications Chanel at a Trust Level**

Certification for joining communications channel or group at a specified trust level.

**Aggregation of Trust Certificates**

Aggregation of trust certificates for joining or promoting trust level.

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Availability determination and next availability window

Availability determination of a communications time and determining the next availability window

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(Form Revised 12/17/97)

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Doug A Wood/Tivoli Systems Peg MacPhail/Tivoli Systems Rabindranath Dutta/Austin/IBM	
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Response Due to IP&amp;L : [REDACTED]

**\*Main Idea**

To view the main idea for this disclosure, click on this doclink -->  (If you are prompted to enter a server name, please enter D01DB016)

**\*Critical Questions (Questions 1-9 must be answered in English)****\*Question 1**

On what date was the invention workable? [REDACTED] Please format the date as MM/DD/YYYY  
(Workable means i.e. when you know that your design will solve the problem)

**\*Question 2**

Is there any planned or actual publication or disclosure of your invention to anyone outside IBM?

Yes  
 No

If yes, Enter the name of each publication or patent and the date published below.

Publication/Patent:

Date Published or Issued:

Are you aware of any publications, products or patents that relate to this invention?

Yes  
 No

If yes, Enter the name of each publication or patent and the date published below.

Publication/Patent:

Date Published or Issued:

**\*Question 3**

Has the subject matter of the invention or a product incorporating the invention been sold, used internally in manufacturing, announced for sale, or included in a proposal?

Yes  
 No

Is a sale, use in manufacturing, product announcement, or proposal planned?

Yes  
 No

If Yes, identify the product if known and indicate the date or planned date of sale, announcements, or proposal and to whom the sale, announcement or proposal has been or will be made.

Product:

Version/Release:

Code Name:

Date:

To Whom:

If more than one, use cut and paste and append as necessary in the field provided.

**\*Question 4**

Was the subject matter of your invention or a product incorporating your invention used in public, e.g., outside IBM or in the presence of non-IBMer?

Yes  
 No

If yes, give a date. Please format the date as MM/DD/YYYY

**\*Question 5**

Have you ever discussed your invention with others not employed at IBM?

Yes  
 No

If yes, identify individuals and date discussed. Fill in the text area with the following information, the

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names of the individuals, the employer, date discussed, under CDA, and CDA #.

**\*Question 6**

Was the invention, in any way, started or developed under a government contract or project?

Yes  
 No  
 Not sure

If Yes, enter the contract number

**\*Question 7**

Was the invention made in the course of any alliance, joint development or other contract activities?

If Yes, enter the following:

Name of Alliance, Contractor or Joint Developer

Contract ID number

Relationship contact name

Relationship contact E-mail

Relationship contact phone

Yes  
 No  
 Not Sure

**\*Question 8**

Have you, or any of the other inventors, submitted this same invention disclosure or similar invention disclosure previously?

If Yes, please provide disclosure number below:

Yes  
 No

**\*Question 9**

Are you, or any of the other inventors, aware of any related inventions disclosures submitted by anyone in IBM previously?

Yes  
 No

If Yes, please provide the docket or disclosure number or any other identifying information below:

**Question 10**

What type of companies do you expect to compete with inventions of this type? Check all that apply.

Manufacturers of enterprise servers  
 Manufacturers of entry servers  
 Manufacturers of workstations  
 Manufacturers of PC's  
 Non-computer manufacturers  
 Developers of operating systems  
 Developers of networking software  
 Developers of application software  
 Integrated solution providers  
 Service providers  
 Other (Please specify below)

Ideal groupware product to extend Lotus Notes

**Question 11**

If the invention relates to a product or service that is outside the scope of your business unit, please recommend IBM business unit(s), IBM location(s) or individual(s) within IBM that you think would provide a good evaluation of your invention: